

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/20 22:28
S1	3	((("6585820") or ("6165261") or ("6066201"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/16 11:23
S2	4	"6585820" "6165261" "6066201"	US-PGPUB; USPAT	OR	ON	2003/09/16 11:30
S3	3	"6585820" "6165261" "6066201"	EPO; JPO; DERWENT	OR	ON	2003/09/20 21:15
S4	23	Wantling-S\$.in. Carrera-G\$.in. Zepka-B\$.in.	EPO; JPO; DERWENT	OR	ON	2003/09/16 11:26
S5	1	"6585820"	US-PGPUB; USPAT	OR	ON	2003/09/16 14:56
S6	0	"6585820".URPN.	USPAT	OR	ON	2003/09/16 11:30
S7	20	("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.	USPAT	OR	ON	2003/09/20 20:03
S8	7419	naphthalenesulfonic	USPAT	OR	ON	2003/09/16 11:32
S9	0	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.) and naphthalenesulfonic	USPAT	OR	ON	2003/09/16 11:32
S10	96552	sulfonic	USPAT	OR	ON	2003/09/16 11:34
S11	4	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.) and sulfonic	USPAT	OR	ON	2003/09/16 11:32

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S12	96552	sulphonic	USPAT	OR	ON	2003/09/16 11:33
S13	59129	polynaphthalene naphthalene	USPAT	OR	ON	2003/09/16 11:33
S14	2	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.) and (polynaphthalene naphthalene)	USPAT	OR	ON	2003/09/16 11:33
S15	122177	\$15sulfonic	USPAT	OR	ON	2003/09/16 11:44
S16	7	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.) and \$15sulfonic	USPAT	OR	ON	2003/09/16 11:44
S17	3	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.) and \$15sulfonic) not (((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.) and sulfonic)	USPAT	OR	ON	2003/09/16 11:44
S18	20	("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.	USPAT	OR	ON	2003/09/20 20:03
S19	154211	alkylphenol phenol	USPAT	OR	ON	2003/09/20 22:30

## EAST Search History

S20	6	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN. ) and (alkylphenol phenol)	USPAT	OR	ON	2003/09/20 20:03
S21	1	"6066201"	EPO; JPO; DERWENT	OR	ON	2003/09/20 20:17
S22	1	("6172122").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/20 21:15
S23	1	(alkylphenol phenol) and ("6172122").PN.)	US-PGPUB; USPAT	OR	ON	2003/09/20 21:16
S24	0	polymethylene near3 alkyl near3 phenol	US-PGPUB; USPAT	OR	ON	2003/09/20 21:17
S25	96	methylene near3 alkyl near3 phenol	US-PGPUB; USPAT	OR	ON	2003/09/20 21:30
S26	31	C?sub.24 near3 alkyl near3 phenol	US-PGPUB; USPAT	OR	ON	2003/09/20 21:33
S27	1920	C?sub.?? near4 alkyl near4 phenol	US-PGPUB; USPAT	OR	ON	2003/09/20 21:33
S28	9	(C?sub.?? near4 alkyl near4 phenol) and (((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.)	US-PGPUB; USPAT	OR	ON	2003/09/20 21:39
S29	23994	(alkylphenol phenol) near3 (aldehyde formaldehyde)	US-PGPUB; USPAT	OR	ON	2003/09/20 21:40
S30	0	((("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN. ) and (((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.) and ((alkylphenol phenol) near3 (aldehyde formaldehyde)))	US-PGPUB; USPAT	OR	ON	2003/09/20 21:40

## EAST Search History

S31	51	((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.) and ((alkylphenol phenol) near3 (aldehyde formaldehyde))	US-PGPUB; USPAT	OR	ON	2003/09/20 22:57
S32	15471	gypsum	US-PGPUB; USPAT	OR	ON	2003/09/20 21:48
S33	786	((alkylphenol phenol) near3 (aldehyde formaldehyde)) and gypsum	US-PGPUB; USPAT	OR	ON	2003/09/20 21:48
S34	3182	wax near3 emulsion	US-PGPUB; USPAT	OR	ON	2003/09/20 22:36
S35	20	((alkylphenol phenol) near3 (aldehyde formaldehyde)) and gypsum) and (wax near3 emulsion)	US-PGPUB; USPAT	OR	ON	2003/09/20 22:09
S36	1	("4421704").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/09/20 21:52
S37	45802	borate	US-PGPUB; USPAT	OR	ON	2003/09/20 21:52
S38	1	(("4421704").PN.) and borate	US-PGPUB; USPAT	OR	ON	2003/09/20 21:52
S39	1326	corn adj flour	US-PGPUB; USPAT	OR	ON	2003/09/20 22:11
S40	45802	borate	US-PGPUB; USPAT	OR	ON	2003/09/20 22:09
S41	9047	borax	US-PGPUB; USPAT	OR	ON	2003/09/20 22:09
S42	5	(corn adj flour) same (borate borax)	US-PGPUB; USPAT	OR	ON	2003/09/20 22:12
S43	29032	corn adj starch	US-PGPUB; USPAT	OR	ON	2003/09/20 22:12
S44	137152	starch	US-PGPUB; USPAT	OR	ON	2003/09/20 22:12
S45	1048	starch same (borate borax)	US-PGPUB; USPAT	OR	ON	2003/09/20 22:12
S46	13	((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.) and (starch same (borate borax))	US-PGPUB; USPAT	OR	ON	2003/09/20 22:20
S47	75	gypsum and (starch same (borate borax))	US-PGPUB; USPAT	OR	ON	2003/09/20 22:20

## EAST Search History

S48	1644	((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.	USOCR	OR	OFF	2003/09/20 22:28
S49	25460	((alkylphenol phenol) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol	USPAT	OR	ON	2003/09/20 22:39
S50	15873	((alkylphenol phenol) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol	USOCR	OR	ON	2003/09/20 22:31
S51	6219	gypsum	USOCR	OR	ON	2003/09/20 22:31
S52	255	((alkylphenol phenol) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol) and gypsum	USOCR	OR	ON	2003/09/20 22:31
S53	40	((106/822) or (106/783) or (106/272) or (106/271) or (106/2) or (106/778) or (516/39) or (516/41) or (516/77)).CCLS.) and ((alkylphenol phenol) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol)	USOCR	OR	ON	2003/09/20 22:32
S54	1689	wax near3 emulsion	USOCR	OR	ON	2003/09/20 22:37
S55	8	((alkylphenol phenol) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol) and gypsum) and (wax near3 emulsion)	USOCR	OR	ON	2003/09/20 22:37
S56	2890	((alkylphenol (alkyl adj phenol)) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol	USPAT	OR	ON	2003/09/20 22:41
S57	0	C?sub.?? near4 alkyl near4 phenol	USOCR	OR	ON	2003/09/20 22:40
S58	433	((alkylphenol (alkyl adj phenol)) near3 (aldehyde formaldehyde))	USOCR	OR	ON	2003/09/20 22:40
S59	3	gypsum and ((alkylphenol (alkyl adj phenol)) near3 (aldehyde formaldehyde)))	USOCR	OR	ON	2007/09/22 18:35
S60	33	gypsum and ((alkylphenol (alkyl adj phenol)) near3 (aldehyde formaldehyde)) C?sub.?? near4 alkyl near4 phenol)	USPAT	OR	ON	2003/09/20 22:42
S61	2	((156/41).CCLS.) and ((alkylphenol phenol) near3 (aldehyde formaldehyde))	US-PGPUB; USPAT	OR	ON	2003/09/20 22:58
S62	0	((156/41).CCLS.) and ((alkylphenol phenol) near3 (aldehyde formaldehyde))	USOCR	OR	ON	2003/09/20 22:58

## EAST Search History

S73	0	WO-03004433-\$.did.	EPO; JPO; DERWENT	OR	ON	2007/09/22 18:36
S74	1	WO-2003004433-\$.did.	EPO; JPO; DERWENT	OR	ON	2007/09/22 18:37
S75	7	((("6585820") or ("5120355") or ("3165261") or ("3251979") or ("4421704"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/22 18:37
S76	253342	starch	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:02
S77	1	S75 and S76	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:02
S78	4	((("5695553") or ("5968237") or ("6165261") or ("6172122"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/23 07:02
S79	253342	starch	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 13:43
S80	0	S78 and S79	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:03
S81	27921	gypsum	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:13
S82	4479	S79 and S81	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:03
S83	1912	complex\$3 near3 starch\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:04
S84	88	S81 and S83	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:04
S85	342402	emulsion	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:04
S86	67	S84 and S85	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:04
S87	1842	gypsum and ((water-proof\$3) OR (water-resistance) OR (water proof\$3) OR (water resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:16
S88	480	gypsum same ((water-proof\$3) OR (water-resistance) OR (water proof\$3) OR (water resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:16

## EAST Search History

S89	11	S83 and S88	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 07:19
S90	1	("6663707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/23 14:47
S91	1	US-6663707-\$.did.	EPO; JPO; DERWENT	ADJ	ON	2007/09/23 07:20
S92	1	("6585820").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/23 13:43
S93	20	("3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:59
S94	253342	starch	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:03
S95	7	S93 and S94	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 13:45
S96	6	"6165261"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 14:48
S97	2	S94 and S96	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 13:49
S98	1	("20060030629").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/23 13:49
S99	1	S94 and S98	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 17:14
S10 0	918	polynaphthalene\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 14:48
S10 1	0	S96 and S100	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 14:51
S10 2	9	"5695553"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 14:51

## EAST Search History

S10 3	18	lignocellulosic and gypsum and wax near3 emulsion	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 17:51
S10 4	27	lignocellulosic and (wax near3 emulsion) and starch	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:09
S10 5	9	("2198776" "4239716" "4328178" "4645548" "4734163" "5320677" "5437722" "6673144").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:09
S10 6	28771	alkylphenol	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:27
S10 7	23868	alkyl phenol	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:39
S10 8	47497	S106 OR S107	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:28
S10 9	116566	water near3 (resistant OR repellance or proof\$4 OR resistance OR repellant or proof)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:30
S11 0	3731	S108 and S109	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:31
S11 1	1075	emulsion and wax\$3 and S110	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:33
S11 2	8	S100 and S111	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:33
S11 3	131	S100 and S108	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:33
S11 4	84708	emulsion and wax\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:33
S11 5	73	S113 and S114	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:36
S11 6	1	S93 and S108	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:36
S11 7	11	methylene coupled alkyl phenol	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:39



## EAST Search History

S118	5	methylene coupled alkylphenol	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:39
S119	16	S117 OR S118	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 19:39
S120	32	alkyl phenol and emulsion and wax	EPO; JPO; DERWENT	ADJ	ON	2007/09/23 20:02
S121	1	("20060243323").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/23 20:03
S122	0	S94 and S121	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:33
S123	1	("6663707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/23 20:33
S124	23	("2699414"   "3869414"   "3891453"   "3935021"   "4019920"   "4042409"   "4094694"   "4174230"   "4392896"   "4421704"   "4748196"   "5009269"   "5120355"   "5482551"   "5695553"   "5922447"   "5968237"   "5980628"   "6010596"   "6162839"   "6165261"   "6172122").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:51
S125	0	319e 319h	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:51
S126	145	319e OR 319h	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:51
S127	3673	lubrizol	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:51
S128	11	S126 and S127	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:57
S129	1	"5120355".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:57
S130	5972	phenate	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:57
S131	0	S129 and S130	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/23 20:57